

What is claimed is:

- 5 1. A low-ash, low-phosphorus lubricant composition suitable for use
in a two-cycle stationary gas engine, comprising:
- (a) an oil of lubricating viscosity;
 - (b) about 1.0 to about 8.0 percent by weight of a succinimide
dispersant;
 - 10 (c) about 0.2 to about 4.0 percent by weight of a hindered phenol
antioxidant;
 - (d) at least one metal or ammonium-containing sulfonate
detergent or metal-or ammonium containing phenate detergent having a Total
Base Number of up to about 100 on an oil free basis, in an amount which
15 provides about 0.1 to about 3.0 percent by weight of sulfonate or phenate
moieties exclusive of the weight of metal or ammonium moieties,
wherein said lubricant contains up to about 0.08 percent by weight
phosphorus and up to about 0.2 percent sulfated ash.
- 20 2. The composition of claim 1, wherein the amount of the
succinimide dispersant is about 1.2 to about 6.0 percent by weight.
3. The composition of claim 1, wherein the amount of the
succinimide dispersant is about 1.5 to about 3.6 percent by weight.
4. The composition of claim 1 wherein the succinimide dispersant is
the reaction product of a hydrocarbyl succinic anhydride and a condensed
25 polyamine.
5. The composition of claim 1 wherein the hindered phenol
antioxidant (c) is a hindered, ester substituted phenol antioxidant.
6. The composition of claim 1 wherein the amount of the hindered
phenol antioxidant (c) is about 0.75 to about 3.0 percent by weight.
- 30 7. The composition of claim 1 wherein the metal in component (d)
is calcium.
8. The composition of claim 1 wherein the detergent of (d) is a
neutral detergent.

9. The composition of claim 1 wherein the detergent of (d) has a Total Base Number of up to about 50.

10. The composition of claim 1 wherein the detergent of (d) has a Total Base Number of up to about 30.

5 11. The composition of claim 1 wherein the amount of the sulfonate or phenate moieties of detergent of (d) is about 0.15 to about 2.0 percent by weight of the composition.

12. The composition of claim 1 wherein the amount of the sulfonate or phenate moieties of detergent of (d) is about 0.2 to about 1.5 percent by weight of the composition.

10 13. The composition of claim 1 further comprising a phosphorus ester.

14. The composition of claim 13, wherein the phosphorus ester is present in an amount suitable to supply up to 0.08 percent by weight of phosphorus to the composition.

15 15. The composition of claim 13 wherein the phosphorus ester is triphenyl phosphite.

16. The composition of claim 1 wherein the sulfated ash value of the composition is about 0.05 to about 0.1 percent.

20 17. The composition of claim 1 wherein the phosphorus content of the composition is up to about 0.05 percent by weight.

18. The lubricant composition of claim 1, said composition having a Total Base Number of up to about 5.

25 19. The composition of claim 1 further comprising a silicone defoamer.

20. The composition prepared by combining the components of claim 1.

21. A method of lubricating a two-cycle stationary gas engine, comprising supplying to said engine the lubricant composition of claim 1.

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